CLAIMS

We claim:

1   1. A system for detecting and controlling a drone implanted in a network connected device such

2   as a computer, the system comprising:

3   an outbound intrusion detection system for detecting outbound drone traffic from a drone

4   implanted in a network connected device and providing notice when the outbound drone traffic is

5   detected;

6   a blocker for blocking the outbound drone traffic responsive to the notice provided by the

7   outbound intrusion detection system;

8   an outbound trace log for storing a trace of outbound traffic from the network connected

9   device;

10   an inbound trace log for storing a trace of inbound traffic to the network connected

11   device; and

12   a correlator for correlating the outbound trace log and the inbound trace log and deducing

13   a source ID of an inbound message responsible for triggering the outbound drone traffic.

1   2. The system of claim 1, wherein the correlator instructs the blocker to block inbound traffic

2   that bears the source ID.

1   3. The system of claim 1, wherein the blocker is a firewall.

1   4. The system of claim 1, wherein the blocker is a network router.

1   5. The system of claim 1, wherein the blocker is a load balancer.

1   6. The system of claim 1, wherein the outbound intrusion detection system provides a

2   destination address of the outbound drone traffic to the correlator, and the correlator searches the

3   incoming trace log for an inbound message that includes the destination address.

1   7. A system for detecting and controlling a drone implanted in a network connected device such

2   as a computer, the system comprising:

3   an outbound intrusion detection system for detecting outbound denial of service traffic

4   from a drone implanted in a network connected device and providing notice when the outbound

5   denial of service traffic is detected;

6   an outbound trace log for storing a trace of outbound traffic from the network connected

7   device;

8   an inbound trace log for storing a trace of inbound traffic to the network connected

9   device;

10   a correlator for correlating the outbound trace log and the inbound trace log and deducing

11   a source ID of an inbound message responsible for triggering the outbound denial of service

12   traffic; and

13   a blocker, responsive to the notice provided by the outbound intrusion detection system,

14   for blocking inbound traffic that bears the source ID and blocking the outbound denial of service

15   traffic.

1   8. A system for detecting and controlling a drone implanted in a network connected device such

2   as a computer, the system comprising:

3   an outbound intrusion detection system for detecting outbound denial of service traffic

4   from a drone implanted in a network connected device, providing notice when the outbound

5   denial of service traffic is detected, and providing a destination address of the outbound denial of

6   service traffic;

7   an outbound trace log for storing a trace of outbound traffic from the network connected

8   device;

9   an inbound trace log for storing a trace of inbound traffic to the network connected

10 device;

11   a correlator for searching the inbound trace log for an inbound message that includes the

12 destination address of the outbound denial of service traffic and determining a source ID of the

13 inbound message that includes the destination address of the outbound denial of service traffic;

14 and

15   a blocker, responsive to the notice provided by the outbound intrusion detection system,

16 for blocking inbound traffic bearing the source ID and blocking the outbound denial of service

17 traffic.

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1 9. A method for detecting and controlling a drone implanted in a network connected device such

2 as a computer, the method comprising the steps of:

3 monitoring outbound traffic from a network connected device for outbound drone traffic;

4 and,

5 when outbound drone traffic is detected, blocking the outbound drone traffic and

6 deducing a source ID of a message responsible for triggering the outbound drone traffic by

7 correlating an inbound trace log and an outbound trace log.

1 10. The method of claim 9, further comprising the step of blocking inbound traffic that bears the

2 source ID.

1 11. The method of claim 9, wherein the outbound drone traffic is blocked by a firewall.

1 12. The method of claim 9, wherein the outbound drone traffic is blocked by a network router.

1 13. The method of claim 9, wherein the outbound drone traffic is blocked by a load balancer.

1   14. The method of claim 9, further comprising the step of determining a destination address of

2   the outbound drone traffic.

1   15. The method of claim 14, wherein the step of deducing further includes the step of searching

2   the inbound trace log for an inbound message that includes the destination address of the

3   outbound drone traffic.

1   16. A method for detecting and controlling a drone implanted in a network connected device, the

2   method comprising the steps of:

3   monitoring outbound traffic from a network connected device for denial of service traffic;

4   and,

5   when denial of service traffic is detected, deducing a source ID of a message responsible

6   for triggering the denial of service traffic by correlating an inbound trace log and an outbound

7   trace log, blocking the outbound denial of service traffic, and blocking inbound traffic that bears

8   the source ID.

1   17. The method of claim 16, wherein the denial of service traffic is distributed denial of service

2   traffic.

1   18. A method for detecting and controlling a drone implanted in a network connected device, the

2   method comprising the steps of:

3   monitoring outbound traffic from a network connected device for outbound denial of

4   service traffic; and,

5   when outbound denial of service traffic is detected, determining a destination address of

6   the outbound denial of service traffic, deducing a source ID of a message responsible for

7   triggering the outbound denial of service traffic by searching an inbound trace log for an inbound

8   message that includes the destination address, blocking the outbound denial of service traffic, and

9   blocking inbound traffic that bears the source ID.

1   19. The method of claim 18, wherein the denial of service traffic is distributed denial of service

2   traffic.